



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Claus AUFMUTH et al.

Appln. No.: 10/574,381

Confirmation No.: 9724

Filed: April 3, 2006

For: **THREE-DIMENSIONAL RECONSTRUCTION OF SURFACE PROFILES**

Attorney Docket No.: 3926.236

Customer No.: 30448

CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited either by facsimile to 571-273-8300 or with the U.S. Postal Service as First Class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 22, 2006.

*Longhong Chen*  
Longhong Chen Reg. No. 56,150

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §1.97 and §1.98**

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the following documents for the above-identified application. Copies of any non-US documents set forth below and listed on the attached Form PTO/SB/08A, copy of the German Search Report issued in the corresponding German application are provided herewith.

1. DE 42 33 384 A1 (English abstract provided)
2. US 5,986,763

3. US 5,943,164
4. US 5,818,594
5. US 4,873,651
6. ZHANG ET AL.: "Shape from Shading: A Survey," IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, pages 690-706, Vol. 21, No. 8, IEEE, US (in English)
7. MANDLER ET AL.: "One-pass Encoding of Connected Components in Multi-Valued Images," In: Proc. 10th Intern. Conf. on Pattern Recognition, 1990, pages 64-69, Vol. 2, IEEE, US (in English)
8. HARTT ET AL.: "A method for shape-from-shading using multiple images acquired under different viewing and lighting conditions," In: Proc. IEEE Computer Society Conf. on Computer Vision and Pattern Recognition, 1989, pages 53-60, IEEE, US (in English)

Documents 1-8 are cited in the German Search Report. No English translation is readily available for Document 1. An English abstract is enclosed. Fig. 1 and column 2, lines 43 and following of Document 1 are cited as relevant to claims 1-2 and 6 of the corresponding German application. This satisfies Applicants' obligation of providing concise explanation of relevancy for non-English document.

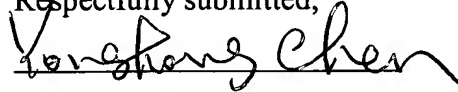
Since the present Information Disclosure Statement is being filed before the mailing date of the first Office Action, no statement under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

{WP321439;1}

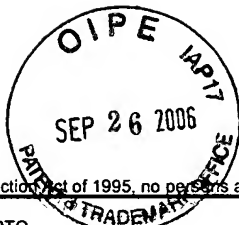
Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08A be returned in accordance with MPEP §609.

Respectfully submitted,



**Date: September 22, 2006**

Yonghong Chen  
Registration No. 56,150  
Customer No. 30448  
Akerman Senterfitt  
222 Lakeview Avenue, Suite 400  
West Palm Beach, FL 33401  
Phone: 561-653-5000  
Fax: 561-659-6313



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Sheet 1

of 1

|                        |            |
|------------------------|------------|
| Application Number     | 10/574,381 |
| Filing Date            | 04/03/2006 |
| First Named Inventor   | Claus AUF  |
| Art Unit               |            |
| Examiner Name          |            |
| Attorney Docket Number | 3926.236   |

[illegible]

| FOREIGN PATENT DOCUMENTS |                          |   |                                   |  |   |                |
|--------------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
|                          |                          | DE 42 33 384 A1   | 04-07-1994                        | Contraves GmbH                                     |   |                |
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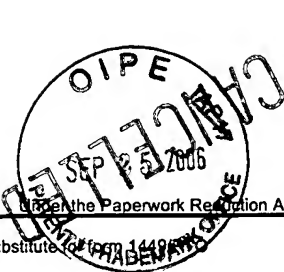
Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**



PTO/SB/08B (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for Form 1449

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/574,381    |
| Filing Date            | 04/03/2006    |
| First Named Inventor   | Claus AUFMUTH |
| Art Unit               |               |
| Examiner Name          |               |
| Attorney Docket Number | 3926.236      |

Sheet 1 of 1

**NON PATENT LITERATURE DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|-----------------------|--------------------------|---|----------------|
|                       |                          | ZHANG ET AL.: "Shape from Shading: A Survey," IEEE Transactions on Pattern Analysis and Machine Intelligence, 1999, pages 690-706, Vol. 21, No. 8, IEEE, US   |                |
|                       |                          | MANDLER ET AL.: "One-pass Encoding of Connected Components in Multi-Valued Images," In: Proc. 10th Intern. Conf. on Pattern Recognition, 1990, pages 64-69, Vol. 2, IEEE, US  |                |
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Examiner  
SignatureDate  
Considered

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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